



Title: Plant Cellulose Synthases
 Inventor: Stephen M. Allen et al.
 Application: 09/900,237
 Docket: BB1170 USCIP

Figure 1A

SEQ ID NO: 26	AREANAGLVAGSYKRNELVRIRHDSDGGQPKPLKEANGQICQICGDTVGKSATGDTFVAC	1	* * * * *
SEQ ID NO: 30	-MDGDA DAL - KSGRHGAGDV CQI CADGL GT TLDGDVF TAC		* * * * *
SEQ ID NO: 33	-MESEGETAGKPMKNIVPQT CQ ICSDN VGKTV DGD RF VAC		* * * * *
		60	
SEQ ID NO: 26	NECGFPVCRPCYEYERKDGNQCCPQCKTRYKRQKGSPRVEGDEEEEDVDDILEN-EFN YSG	1	* * * * *
SEQ ID NO: 30	DVCRFPVCRPCYEHERKEGTQACLQCKTRYKRHRS PAIRGEEGDDTDADGS-DFN YPA		* * * * *
SEQ ID NO: 33	DICSF FPVCRPCYEYERKDGNQSCPQCKTRYKR LKGSPAI PGDKDEDGLADEGTVEFNYP-		* * * * *
		61	
SEQ ID NO: 26	KGKNQK - KVTTARRPWQ - - GDQQDIELS - - - VSSSRHDESQQP - - - VPLLTHIGHS	1	* * * * *
SEQ ID NO: 30	SGTEDQKQKIADRMRSWRMNTGGSGN VGHPKYD SGEIGL SKYD SGEIPRGYVPSVTNSQ-		* * * * *
SEQ ID NO: 33	- - - QKEKISERMLGWHLTRGKGEEMGEPYDK - - - - - EVSHNHLPRLT SRQD		* * * * *
		120	
SEQ ID NO: 26	* * * * *	1	* * * * *
SEQ ID NO: 30	* * * * *		* * * * *
SEQ ID NO: 33	* * * * *		* * * * *
		121	
SEQ ID NO: 26	VSGEIPTPDNHSIRTTSGPPIGPVEKSIPIYIDPROPVAVRIIVDPSKDLNSYGLGNVDWKE	1	* * * * *
SEQ ID NO: 30	MSGEI P GASPD - HHMMSPTGNISRAPFPY - VNHS PNP SREFSG - - - - - SIGNVA WKE		* * * * *
SEQ ID NO: 33	TSGEFSAA SPE - RLSVS S STIAGG KRLPYSS DVN QSPN RRIVDPV - - - - - GLGNVA WKE		* * * * *
		181	
SEQ ID NO: 26	RVEGWKLKQEKNM VQMTS - - - RYPEGKGDTEGTGSNG - - EELQMAADDI RQPM S RIVPI	1	* * * * *
SEQ ID NO: 30	RVDGWKM KQDKGAIPMTNGTSIA PSEG RAAT DIDAS TEYN MEDALL INDETR QPL S RKVPI		* * * * *
SEQ ID NO: 33	RVDGWKM KQEKNT GPV - - - STQAASERGGV DIDAST DILADEA LLNDEAR QPL S RKVSI		* * * * *
		241	
SEQ ID NO: 26		300	
SEQ ID NO: 30			
SEQ ID NO: 33			



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Figure 1B



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Figure 1C



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Figure 1D

SEQ	ID NO : 26	PLIAYCTLPAICLLTGFIVPEISNYASIWFILLFVSI	FSTGFILELRWSGVTLLEDWWRNE	960
SEQ	ID NO : 30	PLIVYCILPAICLLTGFIMPEISNLASIWFIAFLSIFAT	GILEMRWSGVGIDEWWRNE	
SEQ	ID NO : 33	PLIMYCTLLAVCLFTNQFIIIPQISNIASIWFLSLFLSIFAT	GILEMRWSGVGIDEWWRNE	
	901			
	961			
SEQ	ID NO : 26	QFWVIGGTS AHLFAVFGQLLKVLAGIDTNFTVT SKASDEDGDF	FAELYVFKWTSLLIPIPTT	962
SEQ	ID NO : 30	QFWVIGGISAHLFAVFGQLLKVLAGIDTNFTVT SKANDEEGD	FAELYMFKWTTLLIPIPTT	
SEQ	ID NO : 33	QFWVIGGVS AHLFAVFGQLLKVLAGIDTNFTVT SKASDEDGDF	FAELYLFKWTLLIPIPTT	
	1021			
SEQ	ID NO : 26	ILVVMVGIVAGVSFAINSGYQSWGPLFGRLLFFAIWVIVHLYP	FLKGLLGRQNRTPTIVI	1080
SEQ	ID NO : 30	ILINMVGVVAGTSYAINSGYQSWGPLF GKLFFAFWVIVHLYP	FLKGLMGRQNRTPTIVI	
SEQ	ID NO : 33	LLIVNLVGVVAGVS YAINSGYQSWGPLFGKLFFAFWVIVHLYP	FLKGLLGRQNRTPTIVI	
	1081			
SEQ	ID NO : 26	VWSVLLASIFSLLVWVRIDPFTSDSTKAR-GQCGIDC		
SEQ	ID NO : 30	VWA VLLASIFSLLVWVRIDPFTTRLAGPNIQTGGINC		
SEQ	ID NO : 33	VWSVLLASIFSLLVWVRIDPFTSRVTGP DILECGINC		
	1116			